Page 1 of 2

Docket No. 59643.005

SQUIRE. SANDERS & DEMPSEY L.L.P.

Declaration For U.S. Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below my name.

| names are l | isted bylov | v) of the subject ma | inventor (if only or tter which is claimed COMMUNICATI | and for which a | patent is sought on the | first and joint inventor (if plural invention entitled |
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| the specific | ation of w | hich is attached here | eto unless the follow | ing box is checke | ed: | |
| was filed on September 10, 2002 Number PCT/F12002/000728 and w | | | s amended on | As PCT International Application | | |
| | vas filed o | | | | As United States Application | |
| 1 | Number | | and wa | s amended on | | • |
| | | have reviewed and indment referred to a | | ontents of the ab | ove-identified specific | cation, including the claim(s), as |
| Lacknowled | dge the du | ty to disclose inform | nation which is mate | rial to patentabili | ity as defined in 37 C.F | .R. §1.56. |
| certificate. | or §365(ä | of any PCT Intern | ational application v | which designated | at least one country o | lication(s) for patent or inventor's other than the United States, listed or PCT International Application Priority Claimed Yes No |
| (List prior | (Number | z) | (Country) | (DayrMo | nit/Year Filed) | Yes No |
| foreign application | ns) (Name | | (County) | OwoMo | ndVYew Piled) | Yes No |
| | | | (Cranin's) | . Serepara | nav ram s many | Yes No |
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| designating disclosed in duty to disc date of the | the Unite the prior close infor prior appl | nefit under 35 U.S.s.d States of America | C. §120 of any Unite I listed below and, it or PCT) in the man | ed States applicat asofar as the subj aner provided by | ject matter of each of the first paragraph of 3 | ions. By PCT International application(s) he claims of this application is not 5, U.S.C. §112. I acknowledge the ecame available between the filing |
| (List prior U.S Applications of PCT Internations applications | r onal | (Application Senal No.) | | (Filing Date) | (Status) qu | scented pending sisendoned) |
| designating th | e U.S.) | (Application Serial No.) | | (Filing Date) | (Sures) (premied, pessing, etmakeed) | |
| Goldhush, | Reg. No. | 33,125; Kevin F. | lurner, Reg. No. 43 | .437: William F | . Nixon, Reg. No. 44. | as principal attorneys: Douglas H. 262; Arlene P. Neal, Reg. No. ia M. Choi, Reg. No. 46,621. |
| Please dire | ct all com | munications to the f | ollowing address: | | ~~ | |
| | | ٠. | | 8000 Towers Ci | DERS & DEMPSEY L rescent Drive, 14th Floo | L.P. or nile No. (703) 720-7802 |

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be take in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| ruli name of sole of first inventory Antiti TOCO | K. 2. a. a. |
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| nventor's signature | |
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| Inventor's signature | Date . |
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| Full name of fifth inventor | |
| Inventor's signature | |
| Residence | Date |
| Citizenship | |
| Post Office Address | |
| on one nation | · |
| Full name of sixth inventor | • |
| | • |
| Inventor's signature | Date |
| Residence | · |
| Citizenship | |
| Post Office Address | |
| | |
| Full name of seventh inventor | |
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| | Date |
| Residence | |
| Citizenship | |
| Post Office Address | |

Docket No.



SQUIRE, SANDERS & DEMPSEY L.L.P.

Declaration For U.S. Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (Insert Title) MEASUREMENTS IN COMMUNICATIONS SYSTEMS the specification of which is attached hereto unless the following box is checked: was filed on September 10, 2002 As PCT International Application PCT/F12002/000728 Number and was amended on was filed on And/or As United States Application Number and was amended on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application(s) for which priority is claimed: Priority Claimed ☐ Yes ☐ No (List prior foreign ☐ No ☐ Yes applications) (Day/Munth/Year Filed) ☐ Yes ☐ No (Country) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. (Application Number) (Piling Date) (Filing Date) See attached list for additional prior foreign or provisional applications. I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application. (List prior U.S. Applications or PCT International applications designating the U.S.) (Application Serial No.) (Filing Date) (Status) (paterned, pending, abundance) (Application Serial No.) (Filing Date)

And I hereby appoint the firm of Squire, Sanders & Dempsey, Customer Number 32294 including as principal attorneys: Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; William F. Nixon, Reg. No. 44,262; Arlene P. Neal, Reg. No. 43,828; Majid S. AlBassam, Reg. No. 54,749; David E. Brown, Reg. No. 51,091; and Alicia M. Choi, Reg. No. 46,621.

Please direct all communications to the following address:

Customer No. 32294 SQUIRE, SANDERS & DEMPSEY L.L.P. 8000 Towers Crescent Drive, 14th Floor Tysons Corner, Virginia 22182-2700 Telephone No. (703) 720-7800; Facsimile No. (703) 720-7802

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be take in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor Antti TÖLLI Inventor's signature Residence Oulu, Finland Citizenship Finnish Post Office Address Paalikatu 14 A 110, FIN-90520 Oulu, Finland 2-00 Inventor's signature Veikkola, Finland FI Residence Citizenship Post Office Address Lehtikuusentie 16. FIN-02880 Veikkola, Finland Full name of third inventor Petteri HAKALIN Inventor's signature Residence Málaga, Spain Citizenship Finnish Post Office Address C/ Salamanca 104, Villa Vili, La Capellania, Benalmádena pueblo, E-29639 Málaga, Spain Full name of fourth inventor Heikki HIRVONEN 4-00 Inventor's signature Tampere. Finland FIX Residence Citizenship Finnish Post Office Address Urpukatu 2, FIN-33820 Tampere, Finland Full name of fifth inventor Inventor's signature Residence Citizenship Post Office Address Full name of sixth inventor Inventor's signature Residence Citizenship Post Office Address Full name of seventh inventor Inventor's signature Residence Citizenship Post Office Address

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

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Page 1 of 2

Docket No.

59643.00582

SQUIRE, SANDERS & DEMPSEY L.L.P.

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1 hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Number)

(Pulmy Date)

See attached list for additional prior foreign or provisional applications.

(Filing Date)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(List prior U.S. Applications or PCT International applications designating the U.S.)

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